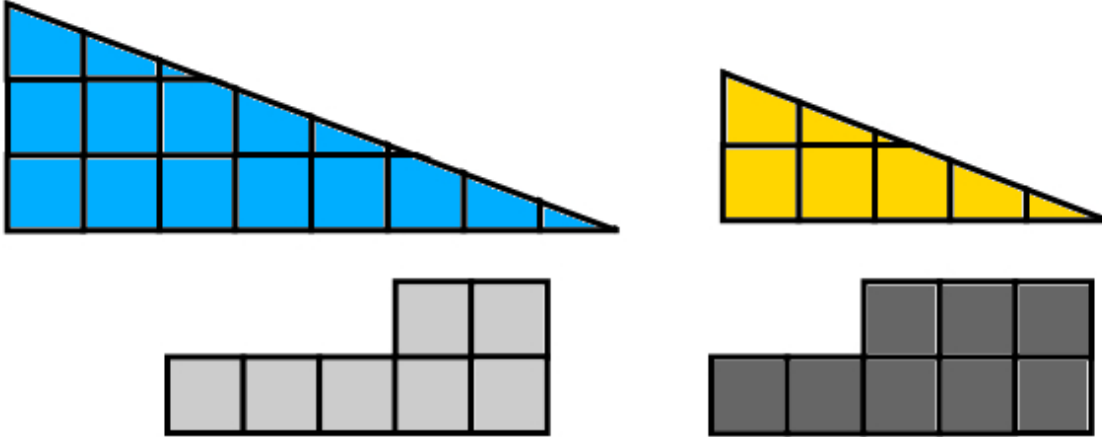
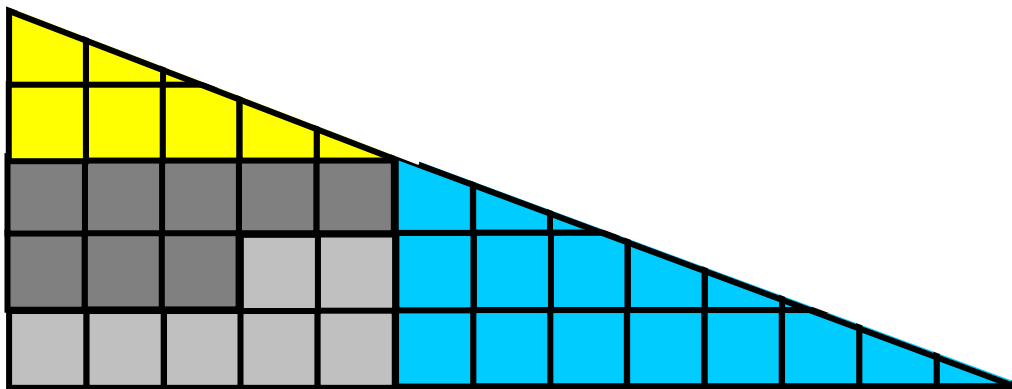


Missing square

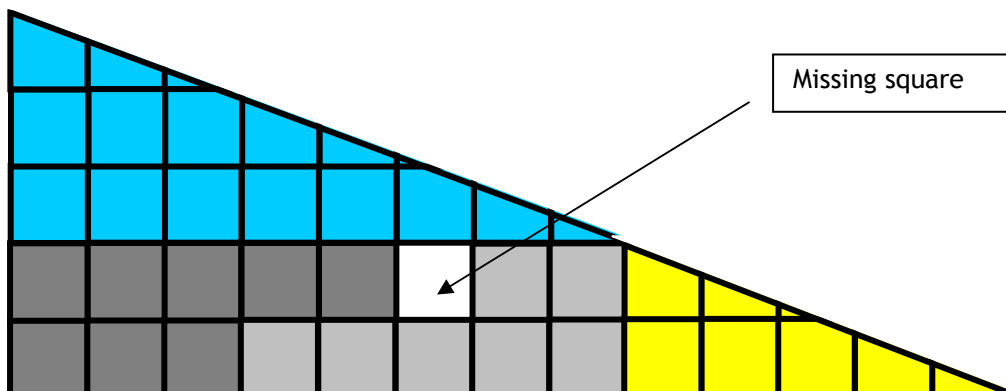
You have to find out the reason why if you put the four pieces on the first way you get a complete triangle and on the second way you get apparently the same triangle but with a missing square. That would mean the area changes which is impossible.



FIRST WAY



SECOND WAY



A clue to solve the puzzle is to calculate separately the four pieces area and the total triangle area and to compare the results.

HOMEWORK

1. Draw the picture of each piece and next to it the surface value.
2. Calculate the sum of all the areas.
3. Draw the total triangle that they seem to form and work out the surface.
4. Compare the results and try to get a conclusion.